



# Measure M Independent Taxpayer Oversight Committee

Enterprise Transit Asset Management

*State of Good Repair*



Metro

# Transit Asset Management (TAM)

*“TAM is a business model that uses condition of assets to guide optimal prioritization of funding at transit properties in order to keep our transit networks in a State of Good Repair” --- FTA*

## **Per FTA’s TAM Rulemaking – A Capital Asset is in a State Of Good Repair if it Meets The Following Objective Standards:**

- The capital asset is able to perform its designed function;
- The use of the asset in its current condition does not pose an identified unacceptable safety risk; and
- The life-cycle investment needs of the asset have been met or recovered, including all scheduled maintenance, rehabilitation, and replacements.

## **Metro’s TAM Policy Defines**

**An SGR asset as** one that is currently in use in operation and its rehabilitation or replacement needs shall be included in the asset inventory.

**An SGR capital project involves** rehabilitating or replacing an existing asset. *Excluded from this definition are capital projects for capacity enhancements or expansions to existing projects or new services.*

# TAM Inventory Database Overview

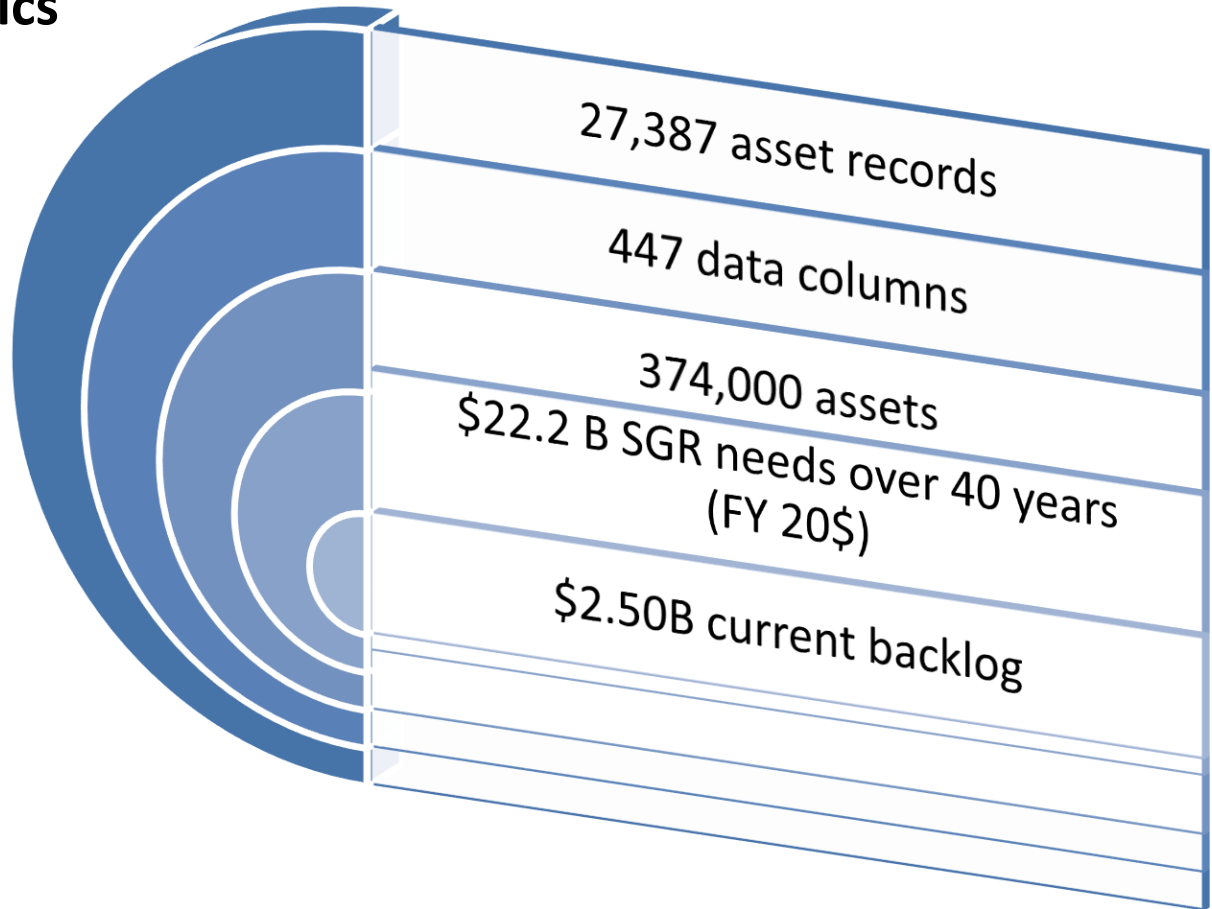
## Current Statistics

As of 6/30/20

Data collection is an ongoing process with Asset Stakeholder Technical Working Groups

Inventory \$19.2B - Continual gathering of information

Backlog: Assets overdue for replacement or rehabilitation



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# Federal Transit Administration (FTA) Reporting Requirements

FTA TAM Performance Measures / Targets				Based on FY20 Census Date (6/30/2020)			
Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Asset Count	Exceeded ULB	Average Age	
<b>Rolling Stock</b>	Articulated Bus (AB)	80.00%	625.43(b): Rolling stock. The performance measure for rolling stock is the percentage of revenue vehicles within a particular asset class that have either met or exceeded their useful life benchmark.	46.59%	370	296	11.3
	Bus (BU)	16.26%		15.12%	2,177	354	8.1
	Heavy Rail Vehicles (HR)	0.00%		0.00%	102	0	23.5
	Light Rail Vehicles (LR)	0.00%		0.00%	302	0	7.8
<b>Equipment</b>	Automobiles	25.63%	625.43(a): Equipment: (non-revenue) service vehicles. The performance measure for non-revenue, support-service and maintenance vehicles equipment is the percentage of those vehicles that have either met or exceeded their useful life benchmark.	25.47%	480	123	6.4
	Trucks and Other Rubber Tire Vehicles*	38.71%		37.41%	961	372	9.2
	Steel Wheel Vehicles**	25.00%		20.00%	8	2	8.6
<b>Facilities</b>	Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Asset Count	Locations Below TERM Condition 3	
	Passenger Facilities (Stations & Parking)	0.00%	625.43(d): Facilities. The performance measure for facilities is the percentage of facilities within an asset class, rated below condition 3 on the TERM scale.	0.00%	247	0	
	Administration & Maintenance Facilities	0.00%		0.00%	145	0	
<b>Infrastructure</b>	Asset Class	On 6/30/2020	Performance Measure based on 49 CFR Part 625	FY21 Target (reported to FTA)	Total Revenue Track	Average Performance Restriction	
	Heavy Rail (HR)	0.35%	625.43(c): Infrastructure: rail fixed-guideway, track, signals, and systems. The performance measure for rail fixed-guideway, track, signals, and systems is the percentage of track segments with performance restrictions.	0.28%	31.84 miles	0.11 miles	
	Light Rail (LR)	2.96%		2.36%	171.73 miles	5.08 miles	



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# FTA TAM Requirements Accomplished

The following has been accomplished by Metro's Enterprise Transit Asset Management (ETAM) staff:

- The Group Plan was completed and the uniform performance targets were reported to the FTA through the National Transit Database (NTD) by October 31, 2020.
- The TAM performance measures for the preceding fiscal year and new targets were reported to the FTA's NTD by October 31, 2020
- Southern California Association of Governments (SCAG) has been provided Metro's updated TAM Plan and the NTD performance and target data for their regional TAM reporting.

	<b>Current Estimated Replacement Cost</b>	<b>Current Backlog</b>
Facilities	\$ 7,027,139,595	\$ 536,274,808
Equipment	\$ 133,430,113	\$ 45,404,749
Infrastructure	\$ 8,040,365,128	\$ 1,073,658,431
Rolling Stock	\$ 4,007,159,069	\$ 845,155,674
Metro Overall	\$ 19,208,093,905	\$ 2,500,493,662



# Transit Asset Management - Next Steps

## **Share FY21 TAM information with SCAG to meet MPO Rulemaking reporting dates**

- Updated Group TAM Plan;
- Updated FY20 TAM Performance, Condition and FY21 Targets;
- Updated Inventory, Performance, Condition and Targets to FTA;
- Shared information with Southern CA Association of Governments (SCAG)

## **Support implementation of new Enterprise Asset Management System**

- Work with Operations and ITS to procure and implement software
- Coordinate onboarding process for new assets from new projects

## **ETAM, Operations and OMB to integrate asset inventory into capital project prioritization process**

- Include identification of asset replacements in capital project proposals to OMB
- Update backlog with funded FY21 data

## **Continue Condition Assessments:**

- Facilities
- Structures
- Fire Life Safety Systems

## **October 31, 2020 FTA compliance deadline:**

- Uploaded data into National Transit Database (NTD) for multiple forms
- Provide clarification as needed by the FTA on Performance measures and targets throughout FY21.



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Thank you!

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Enterprise Transit Asset Management  
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